

FIRE - PREVENTION REPORT

**HIGHWAY DEPARTMENT
STATE OF NEW JERSEY**

**W. S. BORDEN CO., AGENTS
TRENTON, NEW JERSEY**

GENERAL COMMENTS
Fernwood Station, Trenton, N. J.

We offer the following comments and suggestions relative to fire prevention and protection for consideration mainly in matters pertaining to future planning at the above location.

New Construction Before the construction of new buildings is begun, the plans and specifications should be submitted for study by a qualified representative of the insuring company.

A report based on this study would then be submitted to architect and owner. This is the only way to avoid possible future embarrassment when it is learned that a slight change here or there could have resulted in a substantially lower fire insurance rate. In Boston, Massachusetts, recently, in the case of a large steel frame office building, it was suggested that vermiculite be used instead of concrete for fire-proofing the structure steel members. The use of this light weight insulating material made possible a much lighter weight structure and thereby effected a saving of thousands of dollars. It is possible that the architect had never heard of vermiculite!

Automatic sprinkler protection should of course be considered for all buildings where the building or contents value or combined values are substantial.

A new building of fire-resistive construction protected with automatic sprinklers should be provided for the storage of materials and supplies now stored in Building #5.

If the present horizontal spacing of garage and storage buildings is maintained for future buildings, wired-glass windows should be provided.

If additional garage and storage buildings are to be built, we suggest that the walls be constructed of brick at least eight inches in thickness, the roof constructed of incombustible material such as gyp-steel plank, pre-cast concrete, corrugated asbestos, etc., the roof trusses properly "fire-proofed", and a 12 inch brick-parapetted divisor wall provided, with openings in same protected with Underwriters' Laboratories, Inc. labelled, automatic-closing fire doors.

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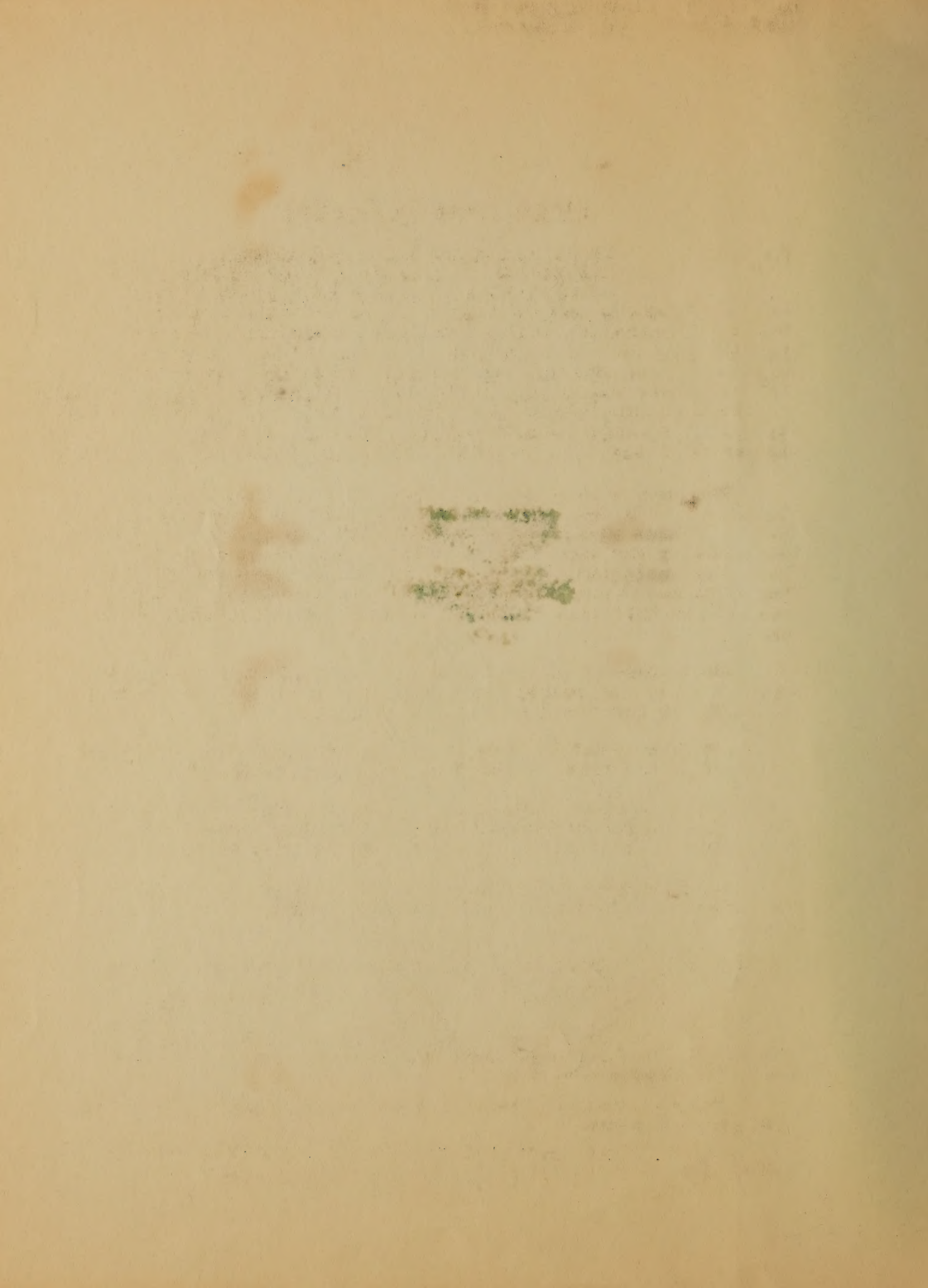
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General Comments (Cont'd)

Heating

It is suggested that consideration be given the matter of providing a new central heating plant with sufficient capacity to supply heat for all existing and future buildings at this location. This would eliminate the present somewhat dangerous and perhaps uneconomical use of individual heating units. We use the word dangerous because any heating boiler that is so located that gasoline vapors may reach it is dangerous. For example, in the Main Shop Building it doesn't seem too far-fetched to visualize gasoline vapors rolling down the stairs to the boiler room and being touched off by the fires in the boilers.

Ordinary stoves such as were noted in buildings Nos. 4, 5, 10, 13, 20A and others, should always be viewed with mistrust. These should be disposed of at the earliest possible opportunity for they are potentially hazardous even when properly installed with respect to ample clearance to combustible materials and with smoke pipe connected to brick, tile-lined chimneys, which in several instances they were not.

If a central heating plant is not contemplated in the near future, the present situation could be greatly improved by carrying out the following suggestions:

Provide standard fire-resistive enclosures for existing unenclosed boilers, or boilers not properly enclosed.

Where gasoline vapors or vapors of other highly volatile liquids may be present inside building, access to boiler room enclosure should be from the outside only.

In Main Shop Building, seal off present opening into boiler room with masonry and provide opening in exterior wall.

Electrical

Provide detached fire-resistive electrical switch gear house and transformer yard.

To prevent over-fusing, check wire type and sizes with National Electric Code to determine maximum safe amperage capacity.

Use only keyless socket, vapor-tight trouble lamps for garage repair work.

Check for all possible electrical sparking causes in locations where explosive vapors may be present.

General Comments (Cont'd)

Special Hazards Substantial additional charges are generally included in the fire insurance rate for so-called special hazards such as paint spraying, welding, power woodworking, storage of inflammable liquids, etc. Even though these hazards must of necessity exist, in most cases it is possible to reduce the hazards greatly by carrying out standard safeguards. National Board of Fire Underwriters regulations concerning these will be sent to you.

However, even if properly safeguarded, charges in the fire insurance rate for these special hazards would not be eliminated. We suggest therefore that a study be made to determine whether or not it would be practical to remove these hazardous processes to a building such as building #2 where the combined value of building and contents would be relatively small compared to buildings #1 and #1A. A saving in insurance costs would naturally result. (See Rate Report Supplement).

Automatic Sprinklers Provide sprinkler alarm service for Main Shop Building #1 and #1A.

Replace broken casing of post indicator valve at westerly end of yard.

Fire Extinguishers Consider purchase of 4⁰ gallon Underwriters' Laboratories labeled foam extinguisher on wheels for general use around yard or provide fog nozzles on hydrant hose for effective use on gasoline and oil fires.

Miscellaneous Consider advisability of painting interior side of roof planks of buildings #1, 1A, 2, 7, 8, 11, 17, 2⁰ 20A, 27 and 34 with Improved Albi-"R", an Underwriters' Laboratories approved fire-protective coating similar in some respects to ordinary paint but with a high insulating value. (See rate report supplement).

Consider advisability of protecting steel roof trusses of the above mentioned buildings with vermiculite plaster on metal lath. (See rate report supplement).

New Jersey State Highway Dept.
Fernwood Station, Trenton, N. J.



Main Garage Building #1 and 1A



Interior View Section #1A

Main Garage Building #1 and 1A (Cont'd)

<u>Construction</u>	A large one high story, brick building with slag-covered plank on exposed steel truss roof. Wood block on concrete floor. Large area steel sash windows. Brick-parapetted division wall with opening protected by automatic-closing fire door.																				
<u>Mechanicals</u>	Modern heating, lighting and plumbing systems. Automatic sprinkler system.																				
<u>Occupancy</u>	General repair work on trucks and appurtenant highway maintenance equipment. Machine shop, welding, forging, woodworking, paint spraying, etc. Offices, stock room, boiler room, etc.																				
<u>Fire Extinguishers</u>	Eight 2½-gallon foam, three 1-qt. C.T.C. and two 5-gallon C.T.C. on wheels. Numerous sand pails. Standpipe and hose system.																				
<u>Values</u> (as of 1/1/49)	<table><tbody><tr><td>Building</td><td>{Sect. #1}</td><td>-</td><td>\$ 65,000.</td></tr><tr><td></td><td>{Sect. 1A}</td><td>-</td><td>35,000.</td></tr><tr><td>Contents</td><td>{Sect. #1}</td><td>-</td><td>300,085.29</td></tr><tr><td></td><td>{Sect. 1A}</td><td>-</td><td>2,000.</td></tr><tr><td colspan="3">Total</td><td>\$402,085.29</td></tr></tbody></table>	Building	{Sect. #1}	-	\$ 65,000.		{Sect. 1A}	-	35,000.	Contents	{Sect. #1}	-	300,085.29		{Sect. 1A}	-	2,000.	Total			\$402,085.29
Building	{Sect. #1}	-	\$ 65,000.																		
	{Sect. 1A}	-	35,000.																		
Contents	{Sect. #1}	-	300,085.29																		
	{Sect. 1A}	-	2,000.																		
Total			\$402,085.29																		

Main Garage Building #1 and 1A (Cont'd)

Fire Prevention Suggestions

Provide metal covers for all metal trash barrels.

Provide Underwriters' Laboratories, Inc. labeled, oily waste safety cans for machine shop and repair shop.

Re-hang the 2½-gallon foam extinguishers so that the tops of same are not over 5 feet above the floor and remove obstructions to easy access to them.

Keep combustible materials away from forges.

Provide separate, well-detached, fire-resistive building for paint spraying operations.

Use aerosene, carbon-tetrachloride or other less volatile solvent than gasoline for washing auto and truck parts.

Provide self-closing metal-clad door for boiler room.

Discontinue use of wood barrels for storage of sawdust and wood shavings.

Replace present unlined linen fire hose with new hose of same type.

Provide hose for C.T.C. extinguisher on wheels and keep same under constant pressure.

Storage Building #2

<u>Construction</u>	<u>Walls:</u> cement blocks on concrete foundations. <u>Floor:</u> concrete. <u>Height:</u> 1 story. <u>Roof:</u> composition covering on plane on 4" x 12" purlins on light steel truss. <u>Windows:</u> steel sash.									
<u>Mechanicals</u>	<u>Heat:</u> steam. Four unit heaters suspended from ceiling. Low pressure coal-fired, vertical steam boiler. Not cut off. Metal flue through window to outside vertical corrugated iron stack. <u>Lights:</u> electric. No defects noted.									
<u>Usage</u>	Storage of miscellaneous snow plow parts, hydraulic pumps, metal bars, etc. Occasional welding (oxy. acetylene).									
<u>Values</u>	<table><tbody><tr><td>Building</td><td>-</td><td>\$5,500.</td></tr><tr><td>Contents</td><td>-</td><td>-</td></tr><tr><td>Total</td><td></td><td>\$5,500.</td></tr></tbody></table>	Building	-	\$5,500.	Contents	-	-	Total		\$5,500.
Building	-	\$5,500.								
Contents	-	-								
Total		\$5,500.								

Storage Building #2 (Cont'd)



Rear View

<u>Fire</u>	One 2½-gallon pump tank. One sand
<u>Extinguishers</u>	pail.

Fire Prevention Suggestions

Provide sheet metal or hard asbestos board protection for roof boards directly above line of boiler allowing 3-inch air space between baffle and roof boards.



Gravity Tank and Tower



Pump House Building #3

Elevated Tank -
Pump House Building #3 (Cont'd)

<u>Water Supply Tank</u>	Cylindrical steel, 100,000 gallon tank on 100 foot steel tower. Top 30,000 gallons piped for domestic service. Balance reserved for yard hydrant and automatic sprinkler system.									
<u>Pump House</u>	One story, concrete roof, floor and walls. Located at base of water tank tower.									
<u>Mechanicals</u>	Small H.B. Smith boiler (coal-fired) for heating riser and tank water. Small coal-fired stove for heating pump house. Electric lights.									
<u>Values</u> (as of 1/1/49)	<table><tbody><tr><td>Building</td><td>-</td><td>\$5,500.</td></tr><tr><td>Contents</td><td>-</td><td>-</td></tr><tr><td>Total</td><td></td><td>\$5,500.</td></tr></tbody></table>	Building	-	\$5,500.	Contents	-	-	Total		\$5,500.
Building	-	\$5,500.								
Contents	-	-								
Total		\$5,500.								
<u>Suggestions</u>	<p>Provide additional support for 3-inch domestic water supply pipe to eliminate side-sway.</p> <p>Provide gauge to indicate level of water in tank.</p>									

New Jersey State Highway Dept.
Fernwood Station, Trenton, N. J.



Equipment Storage Building Under Construction
(Interior View)



(End View)

New Jersey State Highway Dept.
Fernwood Station, Trenton, N. J.



Equipment Storage Building Under Construction
(Side View)



Frame Storage Shed near Water Tower



Storage Building #4

Construction One story, metal walls on metal frame.
Metal roof on light steel truss. Concrete
floor and foundations. One wooden interior
partition. No heat; no lights.

Occupancy Storage heavy iron traffic sign post
standards, calcium chloride in bags,
wheel barrows, etc.

Extinguishers None.

Values

Building	-	\$ 750.
Contents	-	<u>25,923.18</u>
Total		\$26,673.18



Frame Shed near Building #4



Excavation for New Office Building



Storage Building 27

Construction

A large one story, frame building. Concrete floor and foundations. Metal sheathed walls. Composition-covered roofing on one-inch boards on 2" x 5" rafters on steel purlins. Steel columns. Stove heat (office only). Electric lights.

Occupancy

Storage of stocks of paints in cans, bags of nails, 5⁰ gallon drums of motor oil, gear grease, tire chains, boiler tubes, reinforcing rods, wire cable, automotive parts, supplies, etc.

Values

Building	-	\$ 5,000.
Contents	-	<u>127,598.40</u>
Total		\$132,598.40

Storage Building #5 (Cont'd)

<u>Fire Extinguishers</u>	Ample supply of portable extinguishers including one 2½-gallon pump tank, two 2½-gallon anti-freeze sand pails and water barrels.
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Fire Prevention Suggestions

In view of the high value of supplies stored in this building we suggest removal of same to a fire-resistive sprinklered building which it is suggested be provided for this purpose.

Refill water barrels where necessary.

Provide 12 inches of additional metal protection for wood floor at front and one side of coal stove located in office section.

Discard unapproved dry powder tube extinguishers.



Storage Building #6

Construction One story, corrugated iron walls on wood studs. Board floor. Metal roof. Electric lights, wiring in BX. No heat.

Occupancy Storage of alcohol and anti-freeze in drums, also storage batteries.

Fire Extinguishers One 2½-gallon pump tank.

<u>Values</u>	Building	-	\$200.
	Contents	-	<u>300.</u>
	Total		\$500.

New Jersey State Highway Dept.
Fernwood Station, Trenton, N. J.



Equipment Storage Building #7



Equipment Storage Building #7
(Side View)

Equipment Storage Building #7 (Cont'd)

<u>Construction</u>	<u>Walls:</u> brick with brick pilasters. <u>Floor:</u> concrete. <u>Foundations:</u> concrete. <u>Roof:</u> composition covering on 2" plank on 3" x 12" purlins on steel truss. <u>Windows:</u> steel sash.
<u>Mechanicals:</u>	No heat. Electric lights, wiring in conduit.
<u>Occupancy</u>	Storage of trucks only.
<u>Fire Extinguishers</u>	One 2½-gallon anti-freeze, one 2½-gallon pump tank, seven 1-quart C.T.C. plus numerous sand pails.
<u>Values</u> (as of 1/1/49)	Building - \$18,750. Contents - - Total \$18,750.

Fire Prevention Suggestions

We suggest a general clean-up of floor and removal
of loose papers.

Replace sand pails that have been damaged by being
bumped by trucks.

Discard unapproved dry powder tube extinguisher.



Garage Building #8

<u>Construction</u>	One story, brick (same as Building #7)
<u>Occupancy</u>	Storage of State-owned passenger cars only.
<u>Mechanicals</u>	Steam heat, outside source. Wall radiators. Electric lights - conduit and BX. Plumbing facilities for car washing only.
<u>Fire Extinguishers</u>	Five 2½-gallon foam, one 2½-gallon pump tank, two C.T.C. (1 qt.). Several sand pails.
<u>Suggestions</u>	Replace non-standard 5-gallon gasoline can located in car washing department with Underwriters' Laboratories labeled safety can.
<u>Values</u>	
	Building - \$18,750. Contents - 50. Total \$18,800.

Wash House - Building #9

Construction Height: 1 story. Walls: frame. Floor: concrete. Foundations: concrete. Roof: composition roofing on 2" x 8" rafters 24" o.c., open finish. Windows: ordinary wood sash.

Mechanicals: Heat: hot water wall radiator system. American Radiator Company coal-fired heater on concrete. Brick chimney on ground. Lights: electric wiring in conduit. Plumbing: water service for car washing.

<u>Values</u> :	Building	-	\$750.
(as of 1/1/49)	Contents	-	200.
	Total		\$950.

Wash House, Building #9 (Cont'd)



Rear View

<u>Fire</u>	Two 2½-gallon pump tanks, one 2½-gallon
<u>Extinguishers</u>	Foam; one sand pail.

Fire Prevention Suggestions

<u>Electrical</u>	Replace taped-spliced extension cord to
	radio and electric clock located in
	locker with new cord.

Gas Station Building #10

Construction One story, brick. Board roof, composition covered. Concrete floor and foundations. Steel sash.

Mechanics Stove heat. Electric lights.

Occupancy Gasoline service station.

Fire Extinguishers Two 1-quart carbon-tetrachloride.

Suggestions Eliminate stove and heat building from system in Main Shop #1.

<u>Values</u>	Building	-	\$1,875.
(as of 1/1/49)	Contents	-	<u>1,324.</u>
	Total		\$3,199.



Storage building #11

Construction Same construction as buildings No. 7 and 8 except that walls are of cement block and roof space contains two wooden storage decks along each side of building extending about half the length of the building.

Mechanicals No heat. No lights. No plumbing.

Occupancy Storage of miscellaneous equipment including plows, compressors, mixers, rollers, tractors, trucks, sweepers, paving machine, etc.

Extinguishers Two 2½-gallon pump tanks, one 2½-gallon anti-freeze, 6 one-quart C.T.C. and several sand pails.

<u>Values</u>	Building	-	\$16,000.
(as of 1/1/49)	Contents	-	<u>900.</u>
	Total		\$16,900.



Storage Building #12

Construction One story, frame, composition-covered roof.

Occupancy Storage of automobile and truck tires.

<u>Values</u>	Building -	\$ 500.
(as of 1/1/43)	Contents	<u>8,148.</u>
	Total	\$8,648.



Gate House Building #13

Construction One story, brick, asphalt shingle-covered wood roof. Wood floor.

Occupancy Guard's headquarters.

Fire Extinguishers One 2½-gallon Pump Tank. One 1-quart C. T. U.

Mechanicals Stove heat. Electric lights.

<u>Values</u>	Building	-	\$2,000.
(as of 1/1/49)	Contents	-	100.
	Total		\$2,100.

Fire Hydrant Houses #14, 15, 20 and 23

Typical one story, frame, composition roofed buildings approximately 6' x 6' x 8' high.

Each contains approximately the following equipment:
fire hydrant, 150 to 150 feet of cotton, rubber-lined hose,
play pipe, spanners, and axe.

Fire Prevention Suggestions

Some of the hose, especially that in House #14 appears old and worn. We suggest providing new hose where necessary and believe that the minimum should be 200 feet for each hose house.

New Jersey State Highway Dept.
Fernwood Station, Trenton, N. J.



General View
Buildings #7, 8, 11, 17 and 20



General View - Main Yard



Storage Building #16

<u>Construction</u>	One story, frame, composition roof covering. Concrete foundations. Wood floor. Matched board ceiling.
<u>Mechanicals</u>	Stove heat. Electric lights - wiring in B.B.
<u>Extinguishers</u>	One 2½-gallon pump tank, one 2½-gallon soda-acid and one 1-quart C.T.C.
<u>Occupancy</u>	Miscellaneous storage maintenance department, ladders, paints, lumber, etc. Battery charging.
<u>Values</u> (as of 1/1/49)	Building - \$375. Contents - <u>100.</u> Total - \$475.



Storage Building #17

<u>Construction</u>	Same as building #11.									
<u>Occupancy</u>	Storage of trucks, Diesel scrapers, tar bottle buggies, etc. in south end. Storage of State confiscated liquors, stills, bar equipment, etc. in north end.									
<u>Mechanicals</u>	No heat. No lights. No plumbing.									
<u>Suggestions</u>	Replace non-standard 5-gallon gasoline cans with Underwriters' Laboratories labeled safety cans.									
<u>Furniture/Fixtures</u>	Two 28-gallon pump tanks, two 1-quart C.T.C. and 3 sand pails.									
<u>Values</u>	<table><tbody><tr><td>Building</td><td>-</td><td>\$18,000.</td></tr><tr><td>Contents</td><td>-</td><td>200.</td></tr><tr><td>Total</td><td></td><td>\$18,200.</td></tr></tbody></table>	Building	-	\$18,000.	Contents	-	200.	Total		\$18,200.
Building	-	\$18,000.								
Contents	-	200.								
Total		\$18,200.								



Laboratory Building #18

<u>Construction</u>	Two story, no basement, fire-resistive construction (brick-concrete).									
<u>Mechanicals</u>	Steam heating system, "Spencer" low pressure, oil-fired boiler. Modern electric system. Modern plumbing facilities, refrigeration apparatus.									
<u>Occupancy</u>	Material testing laboratory.									
<u>Fire Extinguishers</u>	Two 2½-gallon foam, two 4-lb. CO ₂ , several 1-lb. C.T.C. plus automatic CO ₂ system in second floor laboratory, plus standpipe and hose system.									
<u>Values</u> (as of 1/1/49)	<table><tbody><tr><td>Building</td><td>-</td><td>\$100,000.</td></tr><tr><td>Contents</td><td>-</td><td>88,200.</td></tr><tr><td>Total</td><td></td><td>\$288,200.</td></tr></tbody></table>	Building	-	\$100,000.	Contents	-	88,200.	Total		\$288,200.
Building	-	\$100,000.								
Contents	-	88,200.								
Total		\$288,200.								



Office and Storage Building #20 and #10A

<u>Construction</u>	One story, cement block, brick pilaster walls. Composition covered roofing on 2" plans on steel truss roof. Concrete floor and foundations. Cement block interior partitions.									
<u>Mechanicals</u>	Hot steam. Asbestos-covered low pressure U.S. Radiator Corporation boiler with Ray oil burner. Unit heaters. Electric lights, modern installation.									
<u>Occupancy</u>	Offices, drafting rooms, stock room, storage of electrical equipment and supplies, experimental laboratory room, truck storage, battery charging, etc.									
<u>Values</u> (as of 1/1/49)	<table><tbody><tr><td>Building</td><td>-</td><td>\$ 56,250.</td></tr><tr><td>Contents</td><td>-</td><td><u>174,094.70</u></td></tr><tr><td>Total</td><td></td><td>\$230,344.70</td></tr></tbody></table>	Building	-	\$ 56,250.	Contents	-	<u>174,094.70</u>	Total		\$230,344.70
Building	-	\$ 56,250.								
Contents	-	<u>174,094.70</u>								
Total		\$230,344.70								

Office and Storage
Building #2⁰ and 2^{0A} (Cont'd)

Fire Three 2½-gallon Foam, several C. F. C.
Extinguishers and sand pails.

Fire Prevention Suggestions

Re-fill empty fire pails located in storage loft.

In boiler room, rearrange smoke pipe so as to provide at least 12" horizontal clearance between same and window shade including wooden support of same.

Discontinue use of boiler room for any purposes not essential to proper maintenance of heating equipment.

Provide metal cover for metal trash barrel located in electrical storage department.

Remove accumulation of loose excelsior from electrical supply storage loft section.

Provide Underwriters' Laboratories labeled safety cans to replace non-standard gasoline cans located in experimental laboratory room.

Keep combustibles clear of stove located in this room and make stove pipe tight-fitting at connection to chimney.

Provide aisles between stored cases of electrical supplies in main room.





Storage Building #24

Construction One story, frame, composition-covered walls and roof. Open finish interior walls and roof. Board floor. Electric lights. Stove heat.

Occupancy Storage of small tools, ropes, bags of fertilizer.

Extinguishers None.

<u>Values</u>	Building	-	\$ 100.
	Contents	-	<u>1,200.</u>
	Total		\$1,300.



Grease House - Building #25

Construction Walls: 12" bricks, painted. Floor: cement-surfaced concrete. Grease Pits: concrete. Roof: slate on 1" x 8" matched roofers on 5" x 10" rafters 16" o.c. open finish. Windows: plain glass in steel sash. Doors: wooden, overhead type.

Mechanicals Electric lights - modern installation. Vapor-proof globes in grease pits. Low pressure, coal-fired vertical boiler - not cut off.

<u>Values</u>	Building.....	\$4,000.
(as of 1/1/49)	Contents.....	155.
	Total	\$4,155.

Grange House - Building #25 (Cont'd)

<u>Fire</u> <u>Extinguishers</u>	One 5½-gallon Underwriters' Laboratories labeled foam extinguisher and two Under- writers' Laboratories 1-quart C.T.C. extinguishers. One sand pail.
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Fire Prevention Suggestions

<u>Electrical</u>	Replace 20 and 30-ampere fuses with fuses of not over 15-ampere capacity.
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Provide cover for junction box located on
ceiling above fuse box.

Keep door of fuse box closed.

<u>Boilers</u>	Remove boiler and heat building from system in Building #1, or provide properly cut off boiler room adjoining present building. If it is impractical to carry out either of these suggestions, remove wooden bench (now located within 6 inches of boiler) at least 2 feet away from same.
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<u>Extinguishers</u>	Remove accumulation of refuse from sand filled fire pail.
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Storage Building #20

Construction One story, frame, composition-covered
walls and roof. Wood floor. No heat
or lights.

Occupancy Storage of scrapped tires.

<u>Values</u>	Building	-	\$200.
	Contents	-	-
	Total		\$200.



Sign Shop Building #27

Construction one story, cement block. Plant on steel truss roof, composition covered. Concrete floor and foundations. Cement block interior partitions.

Mechanicals Steam heating system. Suspended unit heaters. "Superior" low pressure oil-fired horizontal boiler. Modern electrical system. Modern plumbing facilities.

Occupancy Storage of trucks and equipment. Traffic sign construction and repairing including woodworking, painting, sand-blasting, etc.

Values
(as of 1/1/49)

Building	-	\$85,000.
Contents	-	<u>44,736.80</u>
Total		\$129,736.80

Sign Shop Building #77 (Cont'd)

Fire Three 15-pound CO₂ and one 2½-gallon
Extinguishers Pump Tank.

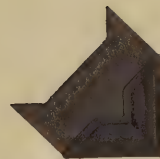
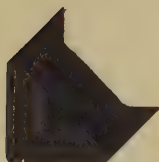
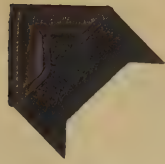
Fire Prevention Suggestions

- Provide metal covers for metal trash barrels.
- Discard combustible rubbish containers.
- Clean out exhaust duct of paint spray booth.
- Remove paint from fusible link of boiler room fire door.
- Tighten-up swaying electric lamp drop where conduit is supported at ceiling level, main room.
- Provide automatic sprinklers in paint spray booth and room.



Incinerator - Item #31

<u>Construction</u>	Brick. Concrete foundation.
<u>Location</u>	About 75 feet rear of Wash House - Building #9.
<u>Value</u>	No estimate.



New Building

(Designed for Office Records Storage)

<u>Construction</u>	One story, brick, concrete floor and foundations. Gyp-steel roof on pre-cast concrete joist. Steel sash.
<u>Mechanicals</u>	None at time of inspection.
<u>Occupancy</u>	Not occupied at time of inspection.



Newark Garage and Office Building

Construction

Two story (no basement) fire-resistive.
Walls: brick, with glass block and steel sash.
Floors: concrete. Roof: slag on concrete.
Interior Supports: Steel beams and columns
fire-proofed.

Occupancy

First Floor: Storage and repair garage.
Second Floor: Offices, drafting rooms,
stock room, etc.

Mechanicals

Modern heating, lighting and plumbing
systems. Low-pressure steam heating
system. Oil-fired "Pacific" asbestos-
covered boiler located in cut-off boiler
room.

Values:

(as of 1/1/49)

Building	-	\$270,000.
Contents	-	<u>46,038.95</u>
Total		\$316,038.95

Sewara Garage and Office Building (Cont'd)

Fire Extinguishers Eleven 2½-gallon foam. Two 2½-gallon pump tanks. Two 15-lb. CO₂. One 4-lb. CO₂. One 3-gallon C.T.C. on wheels. Numerous 1-qt. C.T.C. on second floor.

Public Protection 3-way hydrant 100 feet distant. About one mile to Sewara Fire Department.

Fire Prevention Suggestions

Provide metal covers for metal rubbish barrels.

Discontinue practice of washing parts in gasoline.

Replace missing face plate of electric wall outlet near welding stall and eliminate plug-in connections at floor level.

Check CO₂ extinguishers for possible loss of weight.

Replace C.T.C. extinguishers on second floor with Underwriters' Laboratories labeled 2½-gallon soda-acid type extinguishers. (One for each 2500 sq. ft. of floor area).

Remove wedge from boiler room door and keep same closed.

Provide detached fire-resistive building for paint-spraying operations.



Woodbridge, N. J. Storage Building

<u>Construction</u>	<u>Height:</u> One story with loft over end section. <u>Walls:</u> cement block. <u>Roof:</u> asbestos shingles on 2" x 8" rafters 16" o.c. open finish inside. <u>Floor:</u> concrete, except 1½" board floor in loft.
<u>Mechanicals</u>	Electric lights. Wiring in conduit. Stove heat safely arranged. Ordinary toilet facilities.
<u>Occupancy</u>	Office, gasoline service station and miscellaneous storage of crushed stone, coal, and oil drums in open section. Storage of tractor, tools and miscellaneous supplies.
<u>Values</u> (as of 1/1/49)	Building - \$8,500. Contents - 204.11 Total \$8,704.11

Woodbridge, N. J. Storage Building (Cont'd)

Fire Two 1-quart C. T. O.
Extinguishers

Public Fire hydrant 300 feet distant.
Protection About 2 miles to fire station.

Fire Prevention Suggestions

Replace non-standard 5-gallon gasoline can with standard safety can bearing label of approval of the Underwriters' Laboratories, Inc.

Provide one 2½-gallon foam extinguisher bearing Underwriters' Laboratories label. If building is not constantly heated during winter months, substitute a 4-pound CO₂ extinguisher in lieu thereof.



Elizabeth, N. J. Storage Building
(Route #25)

<u>Construction</u>	Height: 2 stories (no basement). Walls: 12" brick. Floors: concrete on ground and concrete slab on protected steel. Roof: slate covering on 1" x 8" matched roofers on 2" x 12" rafters 16" o.c. Two steel truss roof supports. Open interior finish. Two 8" brick division walls first floor, also concrete partitioned horse stalls.
<u>Mechanicals</u>	No heating, lighting or plumbing.
<u>Occupancy</u>	Vacant building (formerly a horse barn).
<u>Values</u> (as of 1/1/49)	Building - \$6,000. Contents - 100. Total \$6,100.

Elizabeth Storage Building (Cont'd)

<u>Condition of Building</u>	Structurally sound walls, floors and roof. Vandals have done considerable damage to windows, roof gutters, exterior doors, etc. Clean second floor. Some combustible rubbish on first floor. (Same should be removed.)
<u>Fire Extinguishers</u>	None.
<u>Public Protection</u>	Fire hydrant 400 feet distant. About 1½ miles to fire station.

Fire Prevention Suggestions

If building is not to be used in the near future, it should be securely boarded up to prevent further damage by vandals. If building is to be repaired and again used, we suggest the following:

1. Replace entire electrical wiring system with new equipment.
2. Provide safe means for heating building.
3. Provide proper type portable fire extinguishers depending on occupancy of the building.



Dover Garage
228 East Blackwell St.

<u>Construction</u>	One story, cement block. Concrete floor and foundation. Composition roofing on 2" plank on 3" x 12" wood purlins on steel truss. Interior walls and roof painted.
<u>Mechanicals</u>	Electric lights. Wiring in conduit. Steam heat. Suspended unit heaters. Kewanee Type B. low pressure coal-fired boiler. Ordinary plumbing facilities.
<u>Occupancy</u>	Storage garage. Occasional repair work.
<u>Values</u> (as of 1/1/49)	Building - \$8,900. Contents - <u>2,673.26</u> Total \$11,573.26



(End View Showing Angle Exposure)

Fire
Extinguishers

Two 2½-gallon P.A.M. Three 1-quart C.F.O.

Public
Protection

Two-way hydrant 250' distant. Approximately
one mile to North Sussex Fire Department
Station.

Fire Prevention Suggestions

Provide fire-resistive, properly cut-off boiler room.

Provide Underwriters' Laboratories, Inc. labeled
waste can for oily waste.

Paint-up chimney at smoke pipe connection.

Hammononton Storage Garage
(S/S Co. Egg Harbor Road about
200' east of Maple Street)

Construction Height: one story. Walls: 12" cement block.
 Floor: concrete. Foundations: concrete.
 Roof: composition covering on 2" plank on
 2" x 8" joist 24" o.c. on wood bowstring
 truss. Windows: steel sash.

Mechanicals New building. No heating or electrical
 system at time of inspection.

Occupancy Storage garage.

<u>Values</u>	Building - \$27,000.
(as of 1/1/49)	Contents - <u>111.11</u>
	\$27,111.11

Hammonden Storage Garage (Cont'd)

Fire <u>Extinguishers</u>	None.
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Public <u>Protection</u>	Three-way hydrant 6" feet distant. About one-half mile to Public Fire Station.
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Fire Prevention Suggestions

Provide fire-resistive, properly cut-off boiler
room when heating system is installed.

Provide one Underwriters' Laboratories, Inc.
labeled 15-pound CO₂ extinguisher and four sand pails.

New Jersey State Highway Dept.
Fernwood Station, Trenton, N. J.



Vineland Garage
(N/W corner Delson Drive and
Elmer Road Route 447)



Storage Shed at Rear

New Jersey State Highway Dept.
Fernwood Station, Trenton, N. J.



Interior View



(Interior View Showing Brick
Partition and Deck above)

Vineland Garage (Cont'd)

Construction

Height: one story with small area basement boiler room. Walls: 12" brick. Floor: concrete. Foundations: concrete. Roof: gyp-steel plating on exposed steel purlins and truss. (Seven bays). Windows: wired-glass steel sash. Interior partitions: brick, along two-thirds of one side, with concrete slab deck above.

Mechanicals

Modern electrical and plumbing systems. Steam heating system with properly cut off boiler room. Pacific low pressure, horizontal asbestos-covered boiler-oil-fired.

Occupancy

Storage garage with occasional repairing of trucks and equipment.

Values

(as of 1/1/49)

Building - \$43,000.

Contents - 4,767.73

Total \$47,767.73

Fire Extinguishers

Six 2½-gallon foam, one 4-pound CO₂, two 1-quart C.T.C., 6 sand pails.

Public Protection

No hydrants available. Public fire station about 3½-miles distant.

Vineland Garage (Cont'd)

Fire Prevention Suggestions

Check the 4-lb. CO₂ extinguisher for possible loss of weight. Tag attached to same bore date of 8/8/46.

Remove one of the 5½-gallon foam extinguishers to location just inside entrance to boiler room.

Frame Storage Shed

A one story, frame, composition-roofed building located about 25⁰ feet rear of main garage. No lights. Have heat. Occupied for miscellaneous storage of tools, cement, calcium-chloride, etc.

NEW JERSEY STATE HIGHWAY DEPARTMENT

JANUARY 1, 1949

SUMMARY OF STOCK AND MATERIAL INVENTORY

Stock Inventory	\$ 649,682.12
Less: Somerville and New Brunswick	<u>1,037.33</u>
	648,644.79
Laboratory Stock	24,900.00
Fernwood Bldgs. 4 & 27, Maint.	52,790.91
Hammonton Maint. Bldg.	61.11
Building #16	100.00
Hamilton Square Survey Office	<u>1,000.00</u>
	727,496.81
Less: Adjustments	<u>24,911.68</u>
STOCK TOTAL USED (100%)	\$ 702,585.13

ADJUSTMENTS:

Stored Outside Bldg. #5:	
Snow Fence Posts, etc.	\$ 23,371.18
Catch Basins	516.00
Sand & Gravel	265.98
Asphalt & Wood Blocks	<u>758.52</u>
TOTAL ADJUSTMENTS	\$ 24,911.68

Note: The estimates of values appearing in this report are estimates made by the New Jersey State Highway Department for the purpose of securing promulgation of average blanket fire insurance rate.

NEW JERSEY STATE HIGHWAY DEPARTMENT

FIRE INSURANCE RATE REPORT

Introduction

The following report is a supplement to the Fire-Prevention Service Report submitted on July 14, 1949.

In wording most of the suggestions we have used the imperative mood, but this has been done merely for the sake of brevity. The carrying out of the suggestions is entirely optional.

The word "suggestions" is not very appropriate because the intent of this report is to point out all conditions having a bearing on the possibility of securing reductions of rate. For example, we might state "Eliminate stove heat." We are not suggesting that this be done because it actually might be impractical to do so. On the other hand, if stove heat is eliminated, the effect on the rate should be made known and that is the procedure we have followed in this report.

Where we have stated "No rate reduction possibilities," this should not be construed as meaning that we believe it would be impossible to secure a rate reduction. It does mean, however, that there are no charges or credits in the rate schedule that could be eliminated, or applied as the case may be without the expenditure of a considerable sum of money. For example: Provision of automatic sprinkler protection, parapetted division walls, automatic fire alarm systems, watchman and clock protection, etc.

Improvement of public fire protection would of course also make possible a reduction of rate in spite of what we may have stated about "No rate reduction possibilities."

In our Fire Prevention Service report we suggested that consideration be given the advisability of:

1. Painting the interior side of roof planks with "Improved Albi-B", and 2. Protecting steel roof trusses with metal lath and vermiculite plaster.

We have discussed these suggestions with the New Jersey Fire Insurance Rating Organization and as a result are of the opinion that the cost of carrying out the suggestions would

be prohibitive in view of the comparatively small premium savings that would result. We are, however, continuing our discussion of this matter with the Rating Organization and it is entirely possible that the use of the materials mentioned, in the construction of new buildings at least, would have a worthwhile effect in keeping the fire insurance rates on such new buildings at a minimum.

Many questions will undoubtedly arise concerning the suggestions contained in this report and in our Fire Prevention Report.

We will gladly submit any additional specific information concerning them that may be required.

NEW JERSEY STATE HIGHWAY DEPARTMENT

(Supplement)

Fire Insurance Rate Report

The current fire insurance rates* on your properties (effective July 1, 1949) as established by the New Jersey Fire Insurance Rating Organization, 31 Clinton Street, Newark, N. J., are as follows:

*All rates quoted are subject to 5% Average Clause.

Firewood Station Trenton, N. J.	Annual Rates per \$100. of Insurance	
	Building	Contents
Bldg. #1 (East Section)	\$.223	\$.387
" #1A (West Section)	.243	.423
" #2	.705	1.08
" #3	.03	.170
" #4	1.088	1.462
" #5	.69	1.065
" #6	.758	1.132
" #7	.607	.807
" #8	.587	.787
" #9	.644	1.042
" #10	.525	.90
" #11	.85	1.08
" #12	.578	.952
" #13	.48	.555
" #14	.34	.34
" #15	.34	.34
" #16	1.50	2.00
" #17	.80	1.00
" #18	.165	.40
" #19 (South Section)	.41	.668
" #20A (North Section)	.622	.998
" #22	.34	.34
" #23	.34	.34
" #24	1.97	2.47
" #25	.435	.81
" #26	1.20	1.20
" #27	1.312	1.75
" #32	.465	.465
Vineland Garage	.853	1.053
Newark Garage	.165	.384
Dover Garage	1.20	1.40
Woodbridge Storage Bldg.	.668	.668
Elizabeth Storage Bldg.	.718	1.10
Hammonton " "	.585	.36
Elizabeth " "	.695	-

Average Rate

The former average blanket (buildings and contents) fire insurance rate was \$.5⁰² per \$1⁰⁰. of insurance. This rate was based on the following values which were filed with the Rating Organization at that time:

Buildings	-	\$7 ⁰³ ,753.
Contents	-	<u>636,454.</u>
Total		\$1,340,2 ⁰⁷ .

The present average rate is \$.5⁹⁸ based on the following values filed July 1, 1949:

Buildings	-	\$823,678.
Contents	-	<u>884,089.</u>
Total		\$1,707,767.

On the surface it may appear that the average rate has been increased from \$.5⁰² to \$.5⁹⁸ but actually this is not so because exactly the same individual building and contents rates that were used in computing the \$.5⁰² rate were also used in computing the \$.5⁹⁸ rate.

The difference in rate is due chiefly but not entirely to the inclusion of building #27 under the blanket coverage. The high value of this building and its contents plus the high (comparatively speaking) rate combine to have a substantial effect on the average rate. Contributing also to the difference in average rates is the fact that recently filed individual contents values varied considerably from those previously filed. For example, the contents value of building #3 increased from \$61,021. to \$127,398. and of building #4 from \$12,798. to \$25,323. As the contents rates of these buildings are \$1.005 and \$1.462 respectively, the effect upon the average rate is readily understood.

If your fire insurance costs have increased, it is due solely to increased values and not to increased rates.

Fire Insurance Costs

Your fire insurance costs can, of course, be reduced by carrying out improvements which would result in reductions of rate on individual buildings and contents thereof. Substantial reductions of cost, however, cannot be secured unless the high values are concentrated in low rated buildings.

Fire Insurance Costs (Cont'd)

For example, a 90% reduction of rate on building #15 and contents would effect an annual premium saving of only \$5.55 whereas a 10% reduction of rate on building #27 would produce an annual saving of \$170.00. In other words, where the values are high, a small reduction of rate will usually produce beneficial results, but where the values are low, the size of the possible rate reduction is of relatively no importance.

As a possible better example, the contents rate of building #2 is \$1.68 against \$1.462 for building #4. If the contents of building #4 were removed to building #2, an annual saving of approximately \$38.20 could be effected. We are not suggesting that this be done of course, but are merely attempting to point out the importance of providing low rated buildings for high valued contents.

Rate Reduction Possibilities

In this section of our report we are omitting reference to various small buildings where the values are more or less inconsequential or to buildings which may be torn down in the near future. Some of the buildings which may be in this category are buildings #6, 9, 14, 15, 16, 22, 23, 26 and 32 at Trenton, N. J., and various small sheds and surveying offices at other locations, it being our understanding that practically all future office work will be concentrated at Trenton and Newark.

Building #14 (west section)

Eliminate minor unsprinklered areas and remove obstructions to proper distribution of water from sprinkler heads.

Est. Reduction: Building Rate - \$.615
 Contents Rate - \$.027

Provided that the above suggestion is carried out, further reductions may be secured as follows:

Substitute non-flammable solvent such as carbon-tetrachloride in lieu of gasoline for washing auto and truck parts.

Eliminate the following so-called special hazards or remove these operations to another building of comparatively low value and located at least 50 feet distant from any other buildings on the premises: Paint spraying, welding, power sandblasting, forges, torches and any other so-called open flame devices.

Rate Reduction Possibilities (Cont'd)Building #14 (West Section Cont'd)

Est. Reduction:	Building \$. ⁰ 76
	Contents .14

Total:	Building \$. ⁰ 91
	Contents .167

Note: If all of the above suggestions pertaining to building #14 (west section) were carried out, annual premium saving would be only \$32.⁰⁰ based on values filed.

Building #1 (East Section)

Eliminate minor unsprinklered areas and remove obstructions to proper distribution of water from sprinkler heads. Provided that the above suggestion is carried out, we believe that a reduction of approximately \$.⁰65 and \$.119 respectively can be secured on the building and contents rates by carrying out the following additional suggestions:

Substitute non-flammable solvent such as carbon-tetrachloride in lieu of gasoline for washing auto and truck parts.

Eliminate the following so-called special hazards: welding and any other "open flame" devices.

Bring standpipe and hose protection up to standard.

Note: Based on values filed, the above quoted rate reductions would produce an annual premium saving of approximately \$36⁰⁰.⁰⁰.

Building #2

If satisfactory evidence is submitted that the walls are constructed of cinder or concrete block, listed by Underwriters' Laboratories, Inc. Est. Reduction - \$.⁰53.

Provide standard brick, tile-lined chimney.
Est. Reduction - \$.112.

Eliminate exposure from Building #12. Est. Reduction \$.⁰575.

Building #3

Eliminate Exposure from building #12. Est. Reduction \$.⁰⁰7.

Rate Reduction Possibilities (Cont'd)Building #4

Elimination of painting operations. Est. Reduction - \$.07

Eliminate exposure from building #10. Est. Reduction \$.14

Eliminate stove heat. Est. Reduction - \$.19.

Building #5

Eliminate stove heat. Est. Reduction - \$.035.

Building #7

No rate reduction possibilities.

Building #8

No rate reduction possibilities.

Building #10

Eliminate stove heat. Est. Reduction - Building \$.191
Contents \$.193.

Building #11

If satisfactory evidence is submitted that the walls are constructed of vinder or concrete block listed as approved by Underwriters' Laboratories, Inc.
Est. Reduction - \$.084.

Building #15

No rate reduction possibilities.

Building #16

Rearrange stovepipe so as to have proper clearance to combustible material. Est. Reduction - \$.112.

Building #17

Same as under Building #11 above: Est. Reduction \$.082.

Building #18

We believe that a re-rating of this building would result in a rate reduction as follows:

Est. Reduction - \$.025 Building
.04 Contents

Rate Reduction Possibilities (Cont'd)Building #22 (South Section)

No rate reduction possibilities.

Building #20A (North Section)

Eliminate stove heat.

Eliminate storage of autos and trucks.

Est. reduction for carrying out the above suggestions:
\$.09 (Building and Contents).

Building #24

Remove building to new location at least 50 feet from other buildings.

Eliminate stove heat.

Est. Reduction - \$1.35 Building
1.48 Contents.

Building #25

No rate reduction possibilities.

Building #27

See Introduction.

Vineland Garage

No rate reduction possibilities.

Newark Garage

Provide standard cut-off for boiler room.

Eliminate "open flame" devices.

Discontinue use of gasoline for washing parts.

Est. Reduction - Building \$.045
Contents \$.189

Est. annual premium saving based on values filed \$187.00.

Dover Garage

Wall construction (as per Building #11). Provide standard cut-off for boiler room.

Provide standard metal racks or waste cans.

Est. Reduction - \$.40 Building and Contents.

Est. annual premium saving based on values filed - \$60.00.

Rate Reduction Possibilities (Cont'd)Woodbridge Maintenance Building

Due to the comparatively small value of building and contents involved, the carrying out of any suggestions we might offer would appear to be unwarranted. For example, if stove heat was eliminated and storage of oils, paints, alcohol, etc. were discontinued, the annual premium saving based on values filed would only be approximately \$13.00.

Hammononton Maintenance Building

Walls: As per paragraph under Building #11.

Provide two Underwriters' Laboratories, Inc. approved 2½-gallon soda-acid fire extinguishers (or non-freeze units if building is not heated during freezing weather.

Est. Reduction - \$.12 Building and Contents.

Nightstown Storage Building

Provide one 2½-gallon Underwriters' Laboratories labeled non-freeze fire extinguisher.

Eliminate stove heat.

Est. Reduction - \$.21 Building and Contents.

NEW JERSEY STATE HIGHWAY DEPARTMENT
ALLOCATION OF VALUES - BUILDINGS AND CONTENTS
AS OF JANUARY 1, 1949

ITEM	DESCRIPTION	BUILDING 100%	FURNITURE, FIXTURES OFFICE SUP.	SHOP MENT., TECH. EQUIP., ETC.	MATERIAL, STOCK, SMALL TOOLS	TOTAL CONTENTS 100%	TOTAL VALUE 100%	VALUE FOR INSURANCE 90%
VERMONT ✓ #1	Main Garage (Front)	65,000.00	4,200.00	19,700.00	276,185.29	300,085.29	365,095.29	328,576.76
" ✓ 1A	Main Garage (Rear)	35,000.00	0	2,000.00	0	2,000.00	37,000.00	33,300.00
" ✓ 2	Storage	5,500.00	0	0	0	0	5,500.00	4,950.00
" ✓ 3	Pump House, Tower	5,500.00	0	0	0	0	5,500.00	4,950.00
" ✓ 4	Storage	750.00	0	0	25,923.18	25,923.18	26,673.18	24,005.86
" ✓ 5	Storage	5,000.00	0	0	127,598.40	127,598.40	132,598.40	119,338.56
" 6	Storage	200.00	0	0	300.00	300.00	500.00	450.00
" ✓ 7	Equipment Storage	18,750.00	0	0	0	0	18,750.00	16,875.00
" ✓ 8	Garage	18,750.00	0	50.00	0	50.00	18,800.00	16,920.00
" ✓ 9	Wash House	750.00	0	200.00	0	200.00	950.00	855.00
" ✓ 10	Gas Station	1,875.00	15.00	135.00	1,174.00	1,324.00	3,199.00	2,879.10
" ✓ 11	Storage	16,000.00	0	600.00	300.00	900.00	16,900.00	15,210.00
" ✓ 12	Storage	500.00	0	0	8,148.88	8,148.88	8,648.88	7,783.99
" ✓ 13	Gate House	2,000.00	100.00	0	0	100.00	2,100.00	1,890.00
" 14	Hose House	25.00	0	0	0	0	25.00	22.50
" 15	Hose House	25.00	0	0	0	0	25.00	22.50
" ✓ 16	Storage	375.00	0	0	100.00	100.00	475.00	427.50
" ✓ 17	Storage	18,000.00	0	0	2,000.00	2,000.00	18,200.00	16,380.00
" ✓ 18	Laboratory	100,000.00	9,600.00	53,700.00	24,900.00	88,200.00	188,200.00	169,380.00
" ✓ 20	Offices (Front)	28,125.00	2,300.00	0	57,704.26	60,004.26	88,129.26	79,316.33
" ✓ 20A	Storage & Rep. (Rear)	28,125.00	0	0	114,090.44	114,090.44	142,215.44	127,993.90
" 22	Hose House	25.00	0	0	0	0	25.00	22.50
" ✓ 23	Hose House	25.00	0	0	0	0	25.00	22.50
" ✓ 24	Storage	100.00	0	1,200.00	0	1,200.00	1,300.00	1,170.00
" ✓ 25	Grease House	4,000.00	0	0	155.00	155.00	4,155.00	3,739.50
" ✓ 26	Storage	200.00	0	0	0	0	200.00	180.00
" ✓ 27	Sign Shop	85,000.00	500.00	9,500.00	34,730.80	44,730.80	129,730.80	116,757.72
" ✓ 32	Storage	25.00	0	10.00	0	10.00	35.00	31.50
VIRLAND ✓	Garage	45,000.00	400.00	400.00	3,967.73	4,767.73	47,767.73	42,990.96
NEWARK ✓	Garage	270,000.00	18,000.00	19,300.00	8,738.95	46,038.95	316,038.95	284,435.06
DOVER ✓	Garage	8,500.00	400.00	0	8,673.26	9,073.26	17,573.26	15,821.93
TOMB RIVER	Garage (Rented)	0	50.00	150.00	4,426.54	4,626.54	4,626.54	4,163.89
MERCHANTVILLE	Garage (Rented)	0	200.00	150.00	2,303.18	2,653.18	2,653.18	2,387.86
SOMERVILLE	Garage (Rented)	0	0	0	0	0	0	0
WOODBRIDGE ✓	Storage	8,500.00	100.00	0	104.11	204.11	8,704.11	7,833.70
HIGHTSTOWN	Storage	5,500.00	100.00	0	0	100.00	5,600.00	5,040.00
HAMMONTON ✓	Storage	27,000.00	25.00	25.00	61.11	111.11	27,111.11	24,400.00
Old Mans Creek	Bridge Tenders House	5,555.55	Not Insured	Not Insured	Not Insured	Not Insured	5,555.55	5,000.00
Paulsboro	Bridge Tenders House	5,555.55	Not Insured	Not Insured	Not Insured	Not Insured	5,555.55	5,000.00
Malliea River	Bridge Tenders House	2,777.78	Not Insured	Not Insured	Not Insured	Not Insured	2,777.78	2,500.00
Maurice River	Bridge Tenders House	1,666.67	Not Insured	Not Insured	Not Insured	Not Insured	1,666.67	1,500.00
Rt. 25 Elizabeth ✓	Storage	6,000.00	100.00	0	0	0	6,100.00	5,490.00
217 Smith St. Perth Amboy	Survey Office	RENTED	5,200.00	4,100.00	0	9,300.00	9,300.00	8,370.00
630 Valley Rd., Upper Montclair	Survey Office	RENTED	4,100.00	3,600.00	0	7,700.00	7,700.00	6,930.00
16 N. Union Ave., Cranford	Survey Office	RENTED	4,900.00	2,100.00	0	7,000.00	7,000.00	6,300.00
Natl. Bank Bldg., Woodlynne	Survey Office	RENTED	2,100.00	3,300.00	0	5,400.00	5,400.00	4,860.00
15 N. Main St., Pleasantville	Survey Office	RENTED	2,500.00	2,300.00	0	4,800.00	4,800.00	4,320.00
640 Belvidere Ave., Phillipsburg	Lab. Office	RENTED	200.00	0	0	200.00	200.00	180.00
2678-80 Nottingham Way, Hamilton Square	Survey Office	RENTED	2,800.00	1,300.00	1,000.00	5,000.00	5,000.00	4,500.00
GRAND TOTAL		825,680.55	57,890.00	123,720.00	702,585.13	884,195.13	1,707,875.68	1,537,088.11

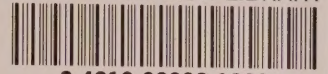
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JUN 27 1949
Milan H. Palmer

M. H. Palmer

THE HOUSE OF COMMONS
IN PARLIAMENT ASSEMBLED
THURSDAY 14th JANUARY 1903

NAME	AGE	RESIDENCE	EDUCATION
Mr. A. B. C.	35	London	University of London
Mr. D. E. F.	42	Manchester	University of Manchester
Mr. G. H. I.	38	Birmingham	University of Birmingham
Mr. J. K. L.	30	Edinburgh	University of Edinburgh
Mr. M. N. O.	45	Glasgow	University of Glasgow
Mr. P. Q. R.	33	Cardiff	University of Cardiff
Mr. S. T. U.	40	Cardiff	University of Cardiff
Mr. V. W. X.	37	Cardiff	University of Cardiff
Mr. Y. Z. A.	32	Cardiff	University of Cardiff
Mr. B. C. D.	39	Cardiff	University of Cardiff
Mr. E. F. G.	36	Cardiff	University of Cardiff
Mr. H. I. J.	34	Cardiff	University of Cardiff
Mr. K. L. M.	31	Cardiff	University of Cardiff
Mr. N. O. P.	29	Cardiff	University of Cardiff
Mr. Q. R. S.	27	Cardiff	University of Cardiff
Mr. T. U. V.	25	Cardiff	University of Cardiff
Mr. W. X. Y.	23	Cardiff	University of Cardiff
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